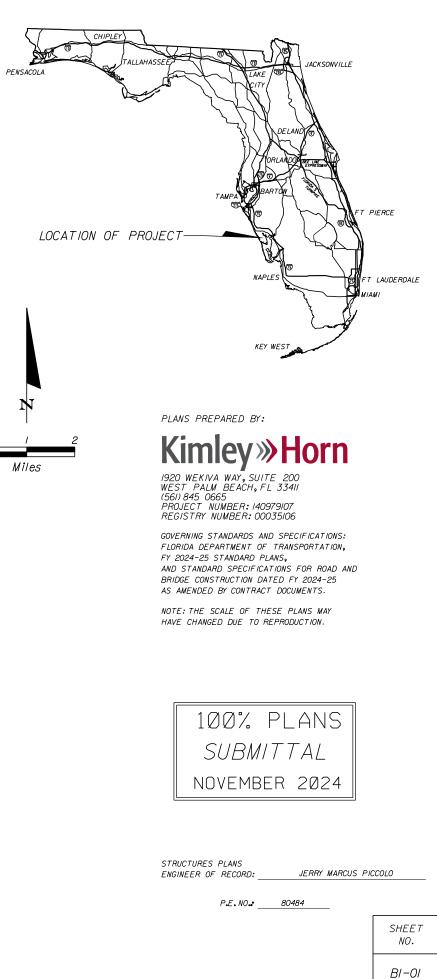
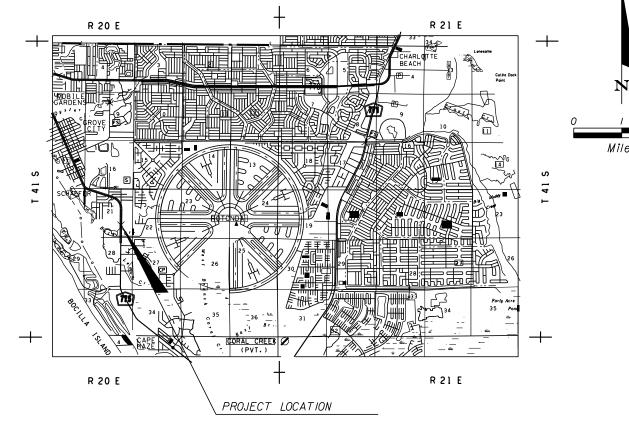
CHARLOTTE COUNTY



CONTRACT PLANS CHARLOTTE COUNTY PUBLIC WORKS BRIDGE REHABILITATION CR 775 OVER BUCK CREEK (BR. NO. 010061)

FILE NO. 2024000103, WO NO. 287



PREPARED FOR



FLORIDA CHARLOTTE COUNTY, PROJECT MANAGER: KELLY SLAUGHTER

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THIS ITEM HAS BEEN DIGITALLY

SIGHED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

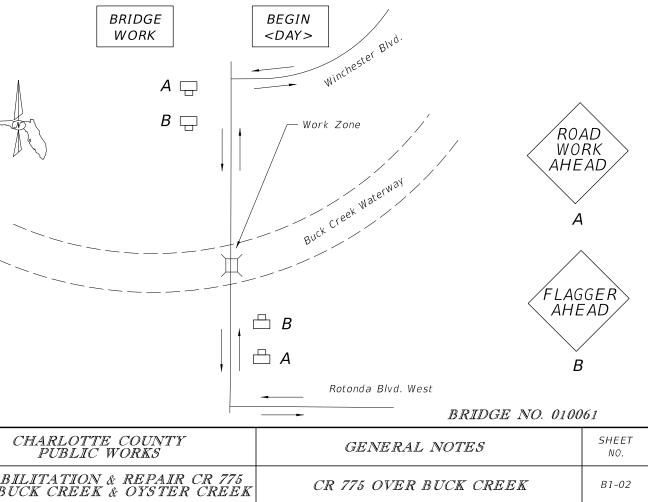
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC COPIES.

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GENERAL NOTES EROSION CONTROL (CONT'D.) 5. Protection of Water Resources: GOVERNING STANDARDS AND CONSTRUCTION SPECIFICATIONS Florida Department of Transportation, FY 2024-25 Standard Plans and revised Index Drawings as appended herein, and FY 2024-25 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents. PLAN DIMENSIONS All dimensions in these plans are measured in feet either horizontally or vertically unless otherwise noted. MAINTENANCE OF TRAFFIC EXISTING BRIDGE CONSTRUCTION CONSIDERATIONS Dimension Verification: Unless otherwise noted, the dimensions, elevations and intersecting angles shown are based on the information as detailed in the Original Construction Plans of the existing bridges and may not represent as-built conditions. It is the Contractor's responsibility to verify this data before beginning construction and notify the Engineer of any hazards within the project limits. discrepancies. EXISTING ELEMENTS TO REPAIR Exercise special care not to damage any elements of the structure that are to remain, including reinforcing. Repair or replace to the satisfaction of the Engineer, any elements that are to remain. which are damaged during construction at no additional cost to the County. SODDING 1. The Contractor will restore all areas disturbed by the construction to a condition equal to, or better than that now existing. 2. All areas where clearing and grubbing occurs shall be sodded at the completion of construction. 3. Sod shall be Bahia. UTILITIES 1. Prior to commencement of any excavation, the Contractor shall comply with Florida Statute 556, underground facility damage prevention and safety. 2. The Contractor shall call Sunshine (1-800-432-4770) for field locations two (2) business days prior to commencement of any excavation. The Contractor shall also be responsible to contact any utility owner(s) that may not be a "Sunshine" member. 3. The location of some existing utilities are shown in their approximate location and are for reference only; the exact location shall be determined by the Contractor during construction. Relocation of utilities shall be coordinated with the utility companies after identification of conflict by the Contractor. Contractor shall notify Engineer in advance before any relocation. 4. Existing utilities are to remain in place unless otherwise noted. 5. The Contractor is responsible for the protection of all utilities to remain in place. 6. The utility companies shall be notified by the Contractor two (2) business days in advance of any excavation involving their utilities so that company representative can be present. 7. The Contractor is to use caution when working in or around areas of overhead electric lines, underground utilities, or near canal banks. Charlotte County Utilities - SW 941-769-2952 Charlotte County Lighting District 941-675-3648 Century Link 877-366-8344 ext. 3 800-778-9140 Comcast Englewood Water District 941-460-1020 (Keith Ledford, PE) Florida Power and Light – Charlotte 800-778-9140 Florida Power and Light – Subaqueous 772-201-6400 MCI 800-624-9675 Sunshine Water Services Sandalhaven 407-948-9839 EROSION CONTROL 1. Comply with FDOT Standard Specifications for Road and Bridge Construction Section 104 "Prevention, Control, and Abatement of Erosion and Water Pollution". 2. The Contractor shall provide a washout station to be inspected and approved by the County prior to the use of any paint, concrete, grout materials, or any other polluting materials that require a washout. 3. No debris or materials resulting from the work shall be permitted in the waterway. Contractor shall utilize containment systems or best management practices to contain all debris or materials and dispose of off site. 4. The Contractor shall repair or remove any equipment leaking fuel, oil, or other fluids immediately. 5. Protection of Water Resources: A. The Contractor shall conduct his activities in a manner to avoid pollution of surface and groundwater and wetlands. The contractor's construction methods shall protect wetland and surface water areas from damage due to mechanical grading, erosion, sedimentation vehicular traffic, and turbid discharges. No storage or stockpiling of equipment shall be allowed within any wetland area unless specifically authorized under permit. Water wetland area unless specifically authorized under permit. Water retention areas to allow settling of suspended materials. All monitoring of any water areas that are affected by construction activities shall be the responsibility of the Contractor. REVISIONS Kimley »Horn DATE BY DESCRIPTION DESCRIPTION DATE BY JERRY MARCUS PICCOLO, P.E. P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200

WEST PALM BEACH. FL 33411 561) 845-0665 REGISTRY NO 35106

- Charlotte County Fire Station 10 Charlotte County Fire Station 13 Charlotte County Sheriff's Office Englewood Area Fire Control District - Station 7 Englewood Area Fire Control District - Station 7.
- 4. The existing posted speed is 45 mph. The speed may be reduced to 35 during construction.
- 5. Personnel working on the maintenance of traffic must have the respective applicable FDOT MOT qualification of advanced, intermediate, and flagger based on their temporary traffic control duties.
- condition (prior to construction) as determined by the engineer. All costs shall be included in Pay Item 102-1 Maintenance of Traffic (LS).
- does not penetrate the pavement.
- 8. Seven days prior to beginning work install PCMs in each direction, 500' in advance of the bridge with the following messages:



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B. The Contractor shall prepare a spill contingency plan in accordance with 40CFR, Part 109. The contractor shall prevent oil, fuel, or other hazardous substances from entering the air, ground, drainage, and local bodies of water or wetlands. In the event that a spill occurs, despite design and procedural controls, the contractor shall take immediate action to contain and cleanup the spill and report the spill immediately to the county's representative. A written report providing certification of commitment of manpower, equipment, and materials necessary to prevent the spread and effect expeditious cleanup and disposal shall be submitted.

1. Maintenance of traffic for this project shall be in compliance with the applicable FDOT Standard Plan Indices 102-600 Series and these documents; The Manual on Uniform Traffic Control Devices for Streets and Highways (U.S. Department of Transportation, FHWA), shall be followed in the design, application, installation, maintenance and removal of all traffic control devices, warning devices, and barriers necessary to protect the public and workmen from

2. The existing bridge shall remain open to bidirectional vehicular and marine traffic at all times during repairs. 3. The Contractor shall inform local emergency and rescue agencies located in the project vicinity including but not limited to those agencies listed below as well as the Engineer 14 Days in advance of and County approved lane closures or restrictions, and again 24 hours in advance of each series of lane closures. All lanes must be reopened to normal traffic within 12 hours during an evacuation notice for a hurricane or any other emergency event and shall remain open for the duration of the event as directed by the County.

(941) 697-54	
(941) 473-04	92
(941) 475-90	05
74 (941) 474–33	11
72 (941) 474-33	11

6. The contractor shall restore all existing pavement damaged as a result of construction or MOT operations to original

7. For temporary construction signs located in paved areas, the contractor shall provide temporary sign support which

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PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	QUANT ITY	APPLICABLE TECHNICAL SPECIFICATIONS
101-1A	Mobilization/Demobilization	LS	1	T5-01
102-1	Maintenance of Traffic	LS	1	TS-02
104-2A	Prevention, Control, and Abatement of Erosion and Water Pollution	LS	1	T5-03
110-2-2A	Selective Clearing, Areas with Trees to Remain	LS	1	TS-04
110 - 4 - 10	Removal of Existing Concrete	SY	6	TS-05
120-6A	Embankment	LS	1	TS-06
400-145A	Cleaning Concrete Surface	SF	6000	TS-08
401 - 70 - 1	Restore Spalled Areas, Epoxy	CF	0.2	TS-09
401-70-4	Restore Spalled Areas, Portland Cement Grout	CF	38	TS-10
411-1A	Crack Sealing - Structures Rehab	LF	990	TS-12
411-2A	Inject and Seal Armored Angle	LF	4	TS-14
413-151	Methacrylate Monomer	GA	133	TS-15
413-154	Cleaning and Sealing Concrete Surfaces: Penetrant Sealer or Methacrylates	SF	11500	TS-15
458-1-21	Bridge Deck Expansion Joint, Rehabilitation, Poured Joint with Backer Rod	LF	135	TS-16
506 - 3A	Bridge Drains	EA	18	TS-17
515-1-2	Pipe Handrail - Guiderail, Aluminum	LF	5	TS-18
515-4-42A	Bullet Rail Posts, Relocate - Double and Triple Rail	EA	12	TS-18
522-2	Concrete Sidewalk and Driveways, 6" Thick	SY	6	TS-19
522-5A	Sidewalk - Grinding Joints	EA	3	TS-20
530-3-4	Riprap - Rubble, F&I, Ditch Lining	TN	5	T5-23
536 - A	Guardrail Repairs	LS	1	TS-24
536-85-24	Guardrail End Treatment - Parallel Approach Terminal	EA	1	TS-24
562-A	Repair of Galvanized Surfaces	LS	1	TS-25
563-4	Anti-Graffiti Coating, Non-Sacrificial	SF	6000	TS-26
570-1-2A	Performance Turf, Sod	LS	1	TS-27
706 - 1 - 3A	Raised Pavement Markers, Type B	LS	1	TS-28
710-12-101A	Painted Pavement Markings, Durable Paint, White, Solid, 6" Wide	LF	390	TS-29
710-12-201A	Painted Pavement Markings, Durable Paint, Yellow, Solid, 6" Wide	LF	580	T5-29
710-12-224A	Painted Pavement Markings, Durable Paint, Yellow, Solid, 18" Wide	LF	160	TS-29
920-530-100A	Fabric-Formed Concrete Revetment	SF	3384	TS-30
934-A	Grout	LS	1	T5-31

Pay Item 104–2A Prevention, Control, and Abatement of Erosion and Water Pollution
This pay item includes all costs for the labor, equipment, and materials required to provide erosion
and water pollution control measures in accordance with Standard Specification Section 104.

- Pay Item 400-145A Cleaning Concrete Surface This pay item shall also include the cost associated with containment, collection, and proper off site disposal of all debris resulting from cleaning the existing class 5 coating.
- Pay Item 401-70-1 Restore Spalled Areas, Epoxy This pay item also includes the cost of containing and off site disposal of all debris resulting from these repairs.
- Pay Items 401-70-4 Restore Spalled Areas, Portland Cement Grout This pay item shall also include the cost of containing and proper off site disposal of all debris resulting from these repairs.
- Pay Item 411-1A Crack Sealing Structures Rehab This pay item shall include all work as described on "Crack Repair Details" sheet.
- Pay Item 411-2A Inject and Seal Armored Angle This pay item shall include all work as described on "Expansion Joint Repair Details" sheet.

PAY ITEM NOTES

- Pay Item 506-3A Bridge Drains This pay item shall include all work as described on "Traffic Railing Repair Details" sheet.
- Pay Item 515-4-42A Bullet Railing This pay item shall include all work as described on "Bullet Railing Repair Details" sheet.
- Pay Item 562-A Repair of Galvanized Surfaces This pay item shall include all costs associated with repairing the galvanized finish on various bullet railing anchor bolts in accordance with FDOT Standard Section 562.
- Pay Item 570-1-2A Performance Turf, Sod This pay item shall include all sod necissary to restore areas disturbed by the Contractor and in areas where vegetations clearing occurs adjacent to the sidewalks.
- Pay Item 706-1-3A Raised Pavement Markers, Type B This pay item includes all costs associated with furnishing and installing raised pavement markers in accordance with Standard Plan Index 706-001 and FDOT Standard Specification Section 706.
- Pay Item 710-12-101A, 710-12-201A, & 710-12-224A Painted Pavement Markings, Durable Paint, (White & Yellow), Solid, 6" & 18" Wide These pay items include all costs associated to furnish and install painted pavement markings matching the existing pavement markings in width, color, and location.

REVISIONS						Kimlow Horn	CHARLOTTE COUNTY	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	Kimley»Horn	PUBLIC WORKS	
						JERY MARCUS PICCOLO, P.E. P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411 (561) 845-0665 REGISTRY NO. 35106	REHABILITATION & REPAIR CR 775 OVER BUCK CREEK & OYSTER CREEK	

BRIDGE NO. 010061

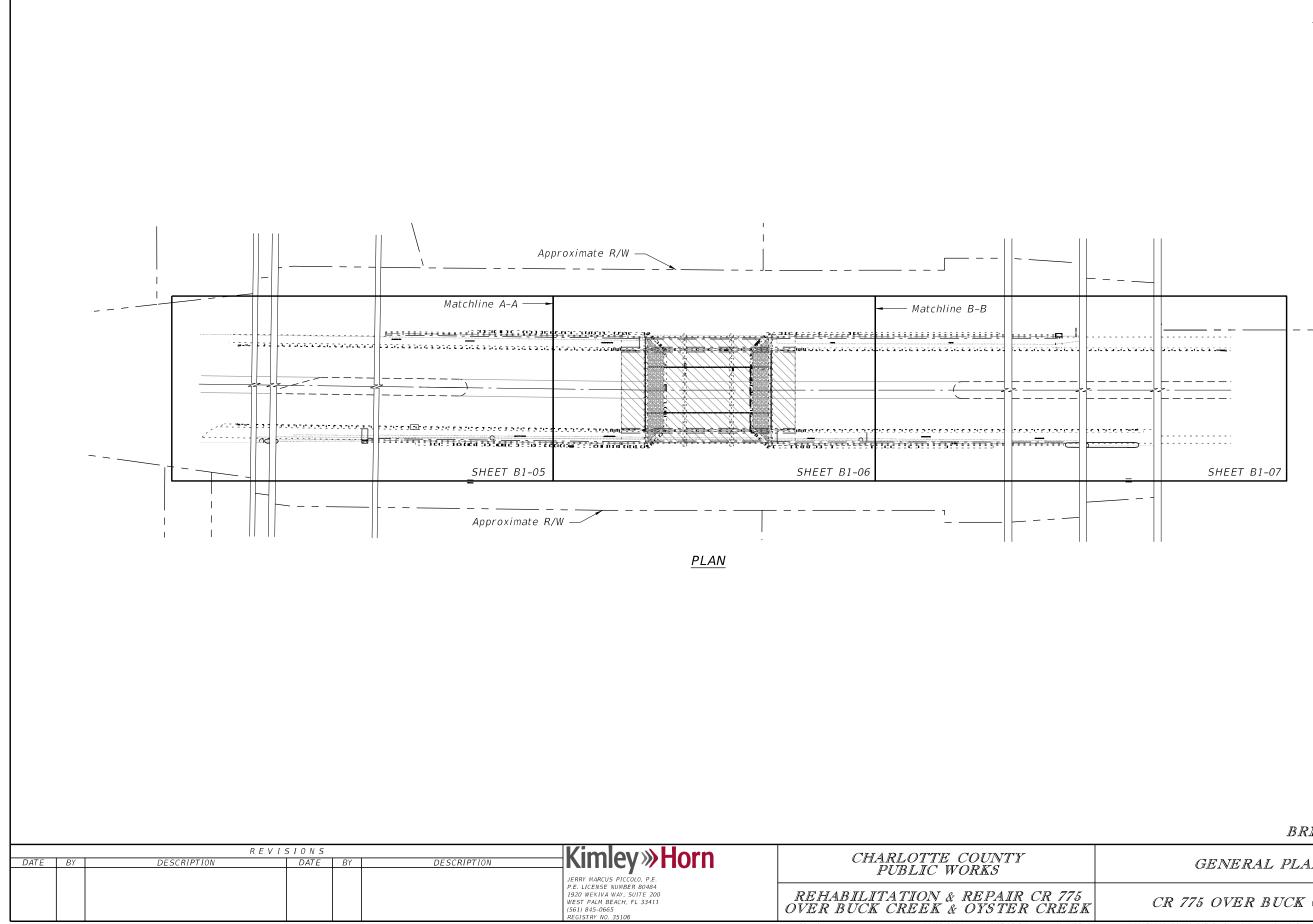
SUMMARY OF QUANTITIES

SHEET NO.

B1-03

CR 775 OVER BUCK CREEK

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Direction of Stationing

BRIDGE	NO.	<i>010061</i>

GENERAL	PLAN

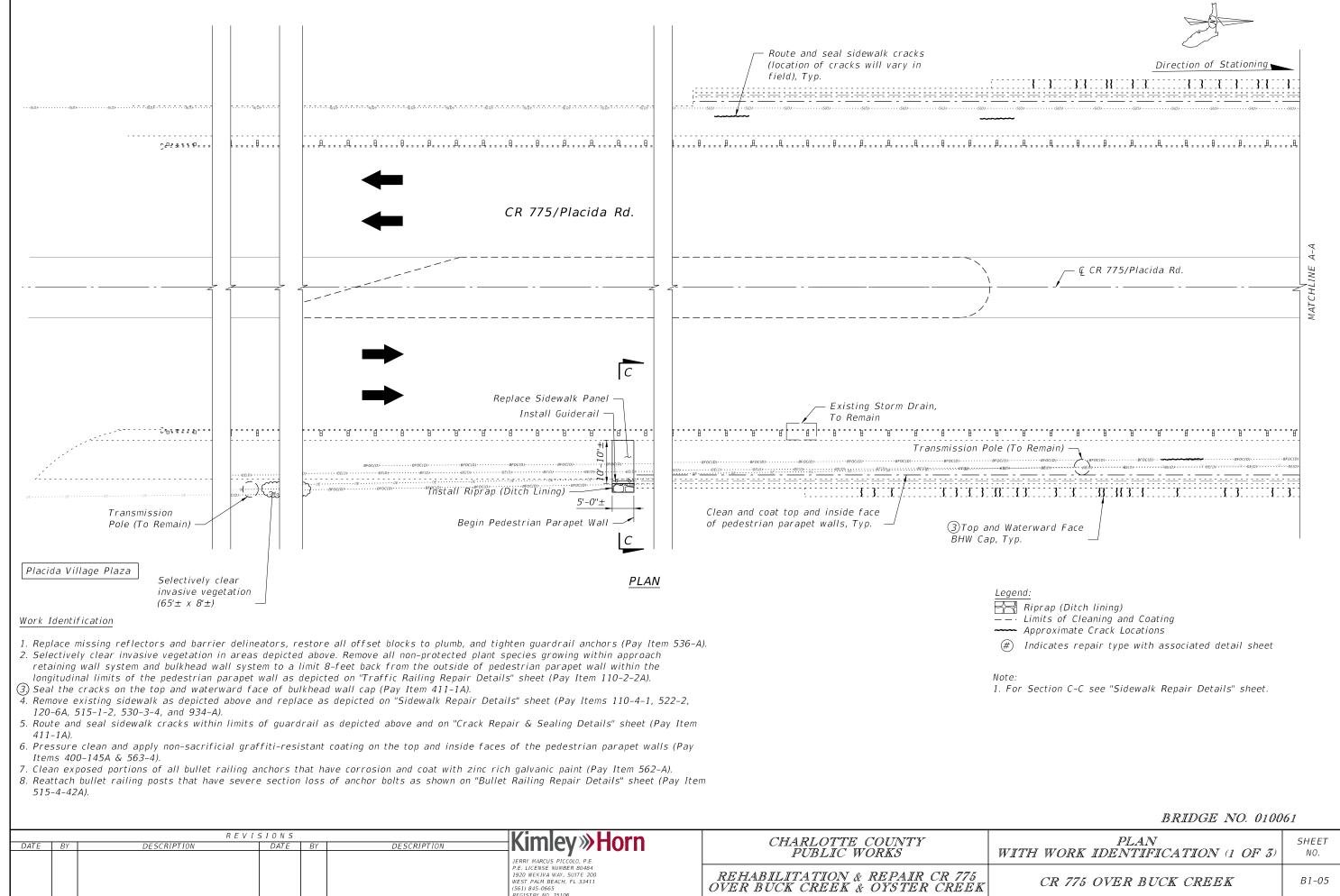
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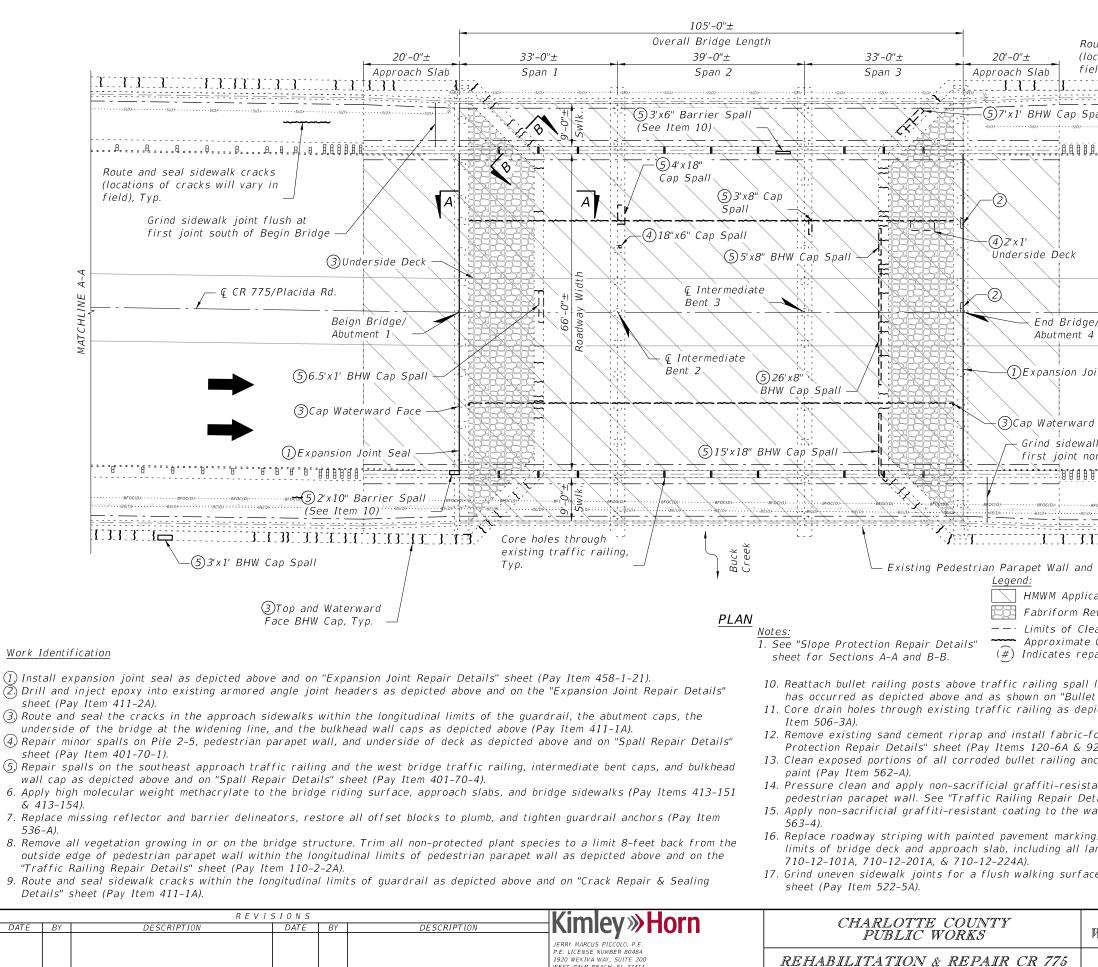
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WEST PALM BEACH. FL 33411

561) 845-0665 REGISTRY NO 3510

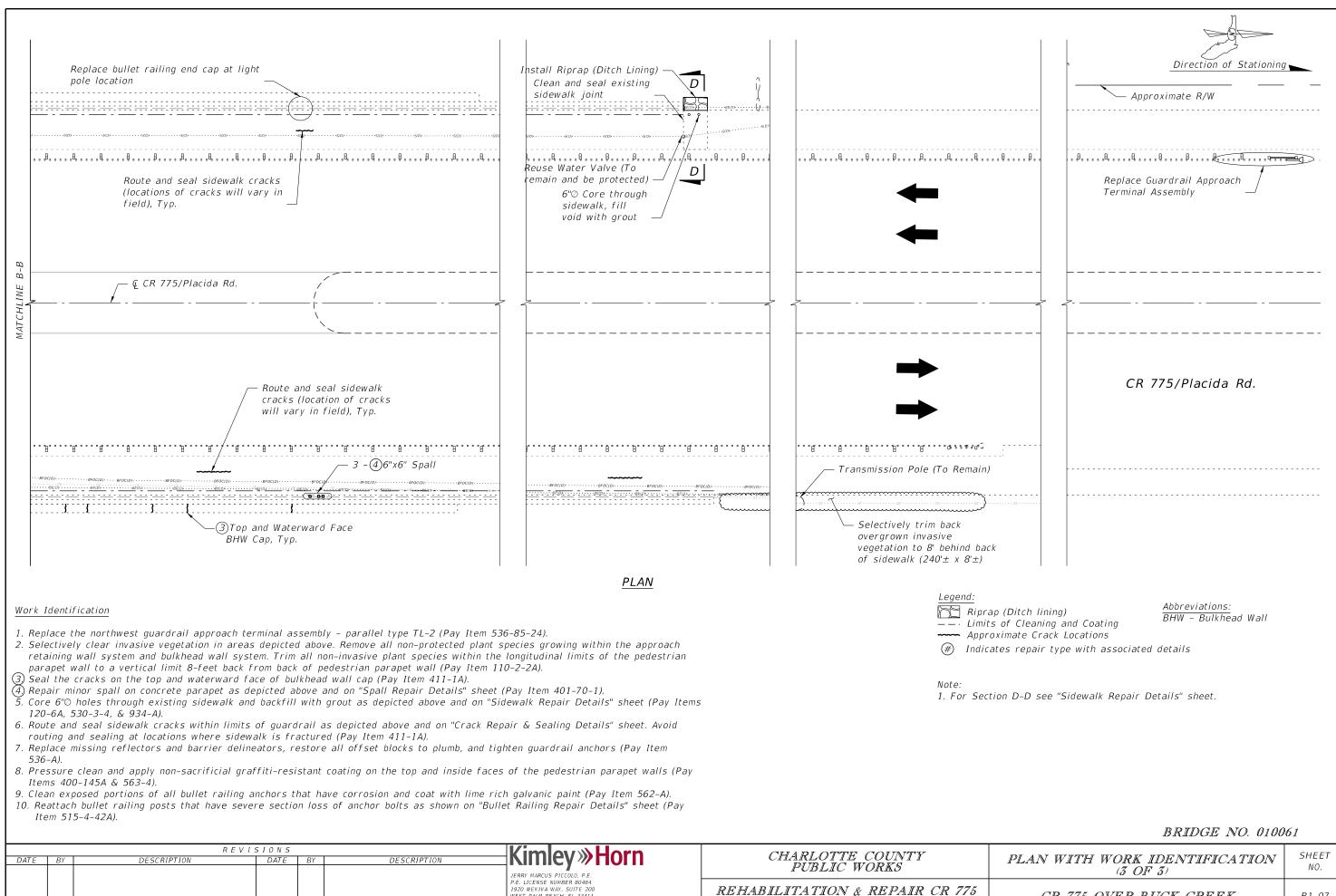
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OVER BUCK CREEK & OYSTER CREEK

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ute and seal sidewalk cracks cation of cracks will vary in <u>Direction of Stati</u> Id), Typ.	oning
3 3 3 yall	
CR 775/Placida Rd.	
ATCHLINE B-	
int Seal Grind sidewalk joint flush at joint north of existing transmission pole	
Face Transmission Pole (To Remain) If flush at Orth of End Bridge	
BEID: BE	
ation Limits <u>Abbreviations:</u> evetment BHW – Bulkhead Wall	
aning and Coating Crack Locations air type with associated details	
locations and at locations where severe anchor section l Railing Repair Details" sheet (Pay Item 515-4-42A). icted above and on "Traffic Railing Repair Details" sheet	
ormed concrete revetment as shown above and on "Slope 20-530-100A). chors, anchors nuts/washers and coat with zinc rich gal	vanic
ant coating to the traffic railings, the front face and top tails" sheet (Pay Items 400-145A & 563-4). aterward faces of Abutments 1 and 4 (Pay Items 400-14.	
gs and replace retroreflective pavement markers within t ne lines and median chevrons (Pay Items 706-1-3A,	he
e as depicted above and on "Expansion Joint Repair Del BRIDGE NO. 0100	
PLAN WITH WORK IDENTIFICATION (2 OF 3)	SHEET NO.
CR 775 OVER BUCK CREEK	B1-06

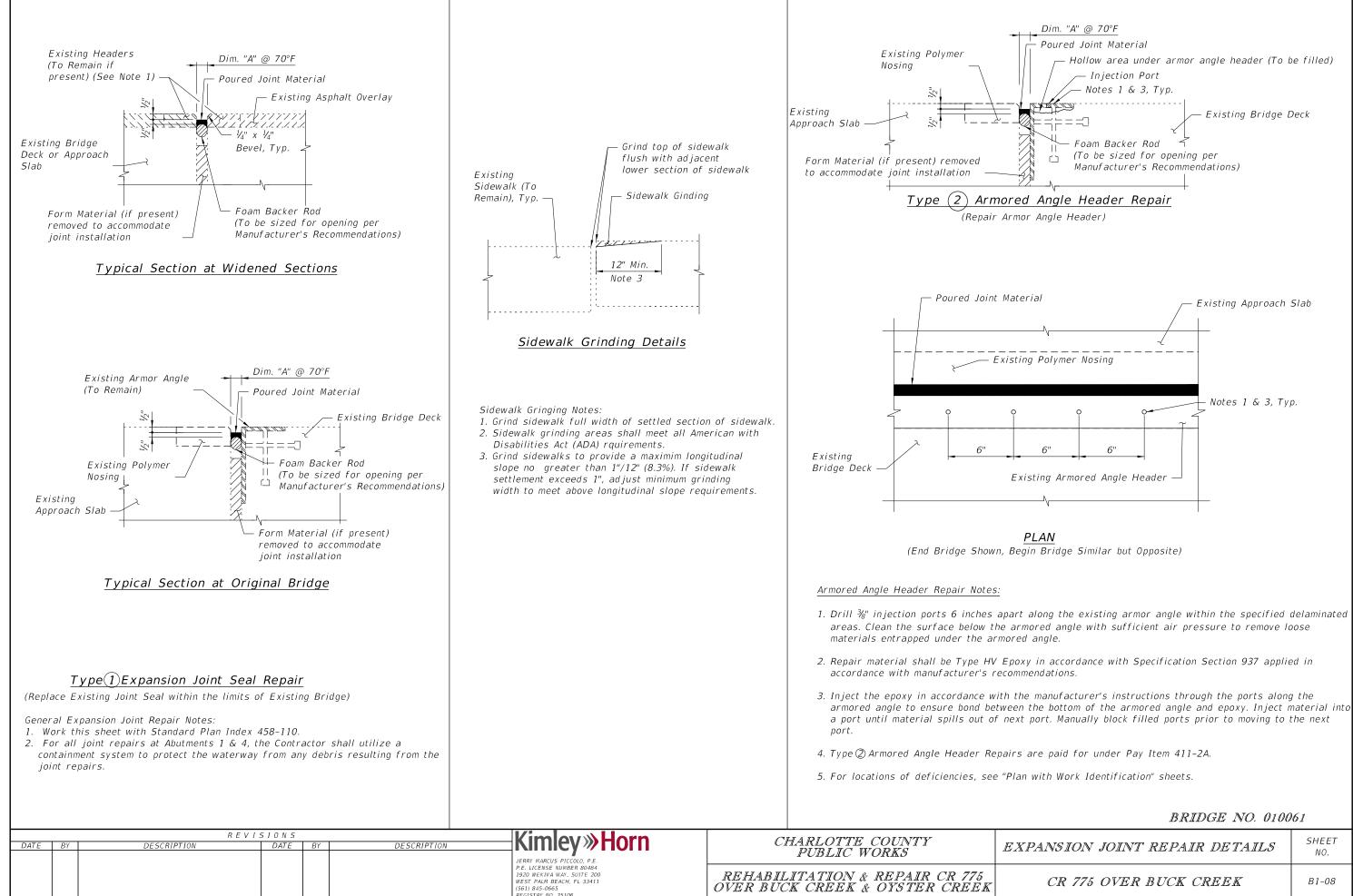


WEST PALM BEACH. FL 33411

561) 845-0665 REGISTRY NO 3510

F.A.C.

CR 775 OVER BUCK CREEK B1-07 OVER BUCK CREEK & OYSTER CREEK



BRIDGE NO. 0100	961
EXPANSION JOINT REPAIR DETAILS	SHEET NO.
CR 775 OVER BUCK CREEK	B1-08

Sealant shall be applied		Cracks shall be "Veed" out to
flush with adjacent concrete surface.	\ /	a depth of at least ¼". Apply sealant per Manufacturer's recommendations.
		-

TYPE (3) CRACK REPAIR DETAIL

Crack Repair Notes:

- 1. Seal cracks by polyurethane seal coat.
- 2. Color to match concrete as close as practicable.
- 3. Crack seal material shall be Sikaflex-1A or approved equal.
- 4. Where sealant is being applied in close proximity to tidal waters, time the installation to maximize dry curing time during low tide.
- 5. Contractor shall contain all debris resulting from crack sealing operations.

HIGH MOLECULAR WEIGHT METHACRYLATE (HMWM) NOTES:

- contaminants in accordance with the manufacturer's recommendations.
- Section 413.
- 3. Pre-fill any cracks $\frac{1}{8}$ " wide or wider with HMWM.
- Specification Section 413.
- 5. See "Plan With Work Identification (2 OF 3)" sheet for limits of HMWM application.
- 6. Contractor shall contain all debris and materials (sealer) associated with the surface

REVISIONS				Kimlow Uorn	CHARLOTTE COUNTY		
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		
						JERRY MARCUS PICCOLO, P.E.	PUBLIC WORKS
						P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411	REHABILITATION & REPAIR CR 775
						(561) 845-0665 REGISTRY NO. 35106	OVER BUCK CREEK & OYSTER CREEK
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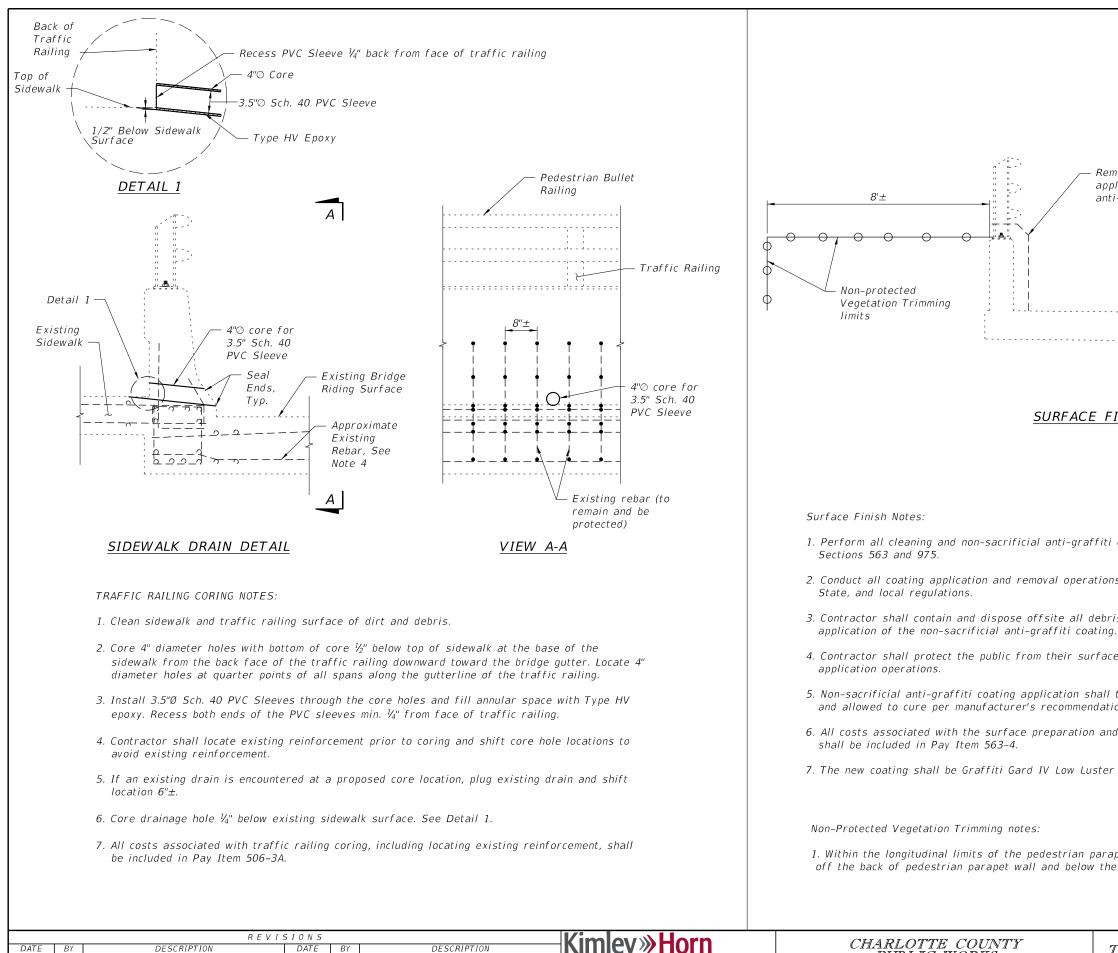
1. Clean and prepare the bridge deck and sidewalk surface of any dust, dirt, debris, and other

2. HMWM sealer shall be Duraguard 401-30E or approved equal in accordance with Specification

4. HMWM sealer shall be installed in accordance with the manufacturer's recommendations and

preparation and sealing of bridge deck. No debris or materials are permitted in the waterway.

BRIDGE NO. 0100	061
CRACK REPAIR & SEALING DETAILS	SHEET NO.
CR 775 OVER BUCK CREEK	B1-09



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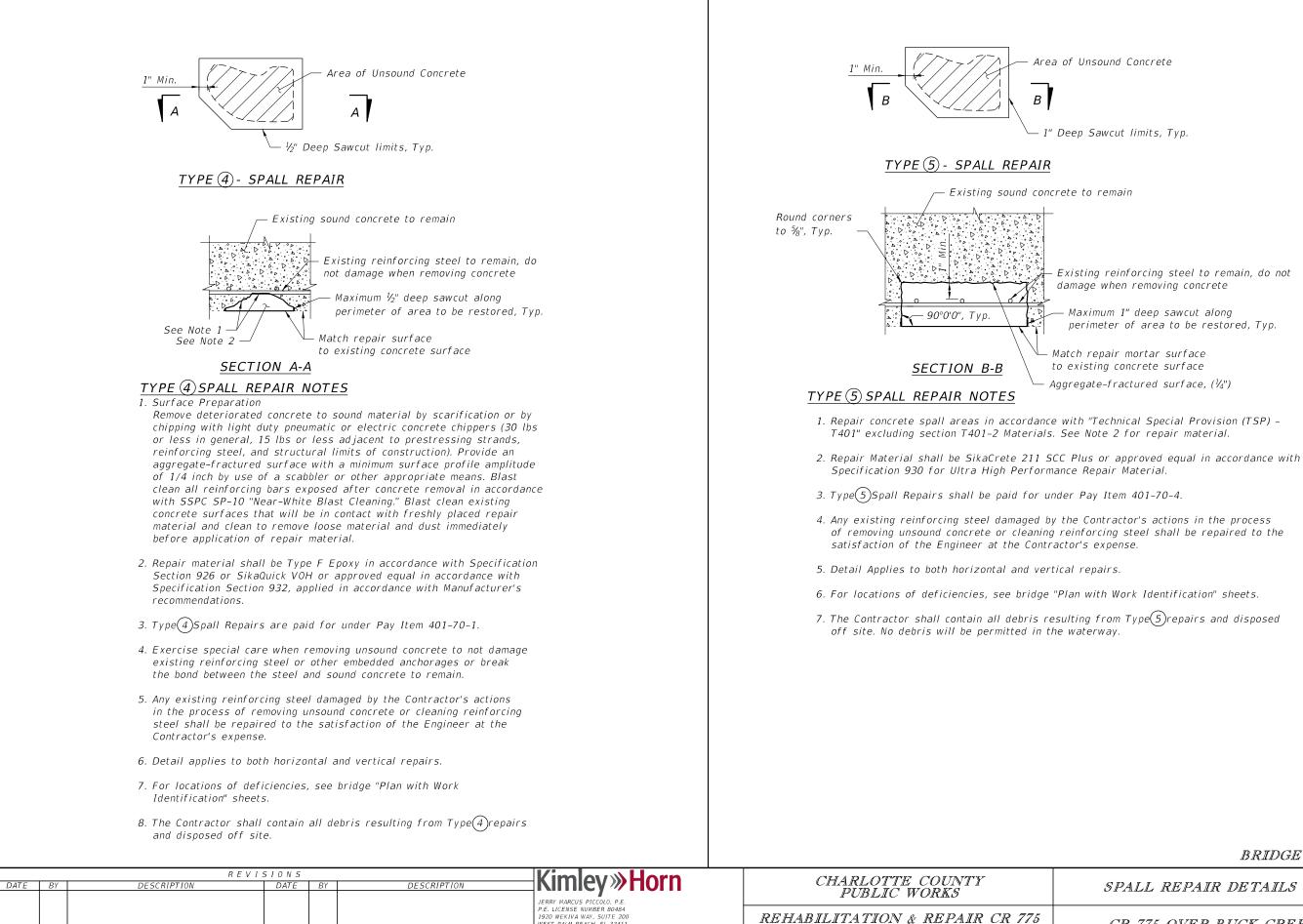
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					JERRY MARCUS PICCOLO, P.E.	PUBLIC WORKS
					P.E. LICENSE NUMBER 80484 1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411	REHABILITATION & REPAIR CR 775
					(561) 845-0665 REGISTRY NO. 35106	OVER BUCK CREEK & OYSTER CREEK
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	I
FINISH DETAIL	
<u>Legend:</u> ————————————————————————————————————	pating
ti coating application in accordance with Specification	
ons in compliance with EPA, OSHA, and other Federal,	
bris resulting from the surface preparation and ng. No debris will be permitted in the waterway.	
ace preparation and non-sacrificial anti-graffiti coating	
ll take place after all spall repairs have been completed ations.	
and application of the non-sacrificial anti-graffiti coating	
er by Tex Cote in the color Antique Ivory.	
rapet wall, trim all non-protected species to a limit 8 foo he top of parapet wall.	ot
BRIDGE NO. 0100	61
TRAFFIC RAILING REPAIR DETAILS	SHEET NO.
CR 775 OVER BUCK CREEK	B1-10

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WEST PALM BEACH. FL 33411

561) 845-0665 REGISTRY NO 3510

OVER BUCK CREEK & OYSTER CREEK

Area of Unsound Concrete

1" Deep Sawcut limits, Typ.

Existing reinforcing steel to remain, do not damage when removing concrete

Maximum 1" deep sawcut along perimeter of area to be restored, Typ.

Match repair mortar surface to existing concrete surface

Aggregate-fractured surface, $(\frac{1}{4}'')$

BRIDGE NO. 0100	061
SPALL REPAIR DETAILS	SHEET NO.
CR 775 OVER BUCK CREEK	B1-11

TECHNICAL SPECIAL PROVISION (TSP) - T401

T401-1 DESCRIPTION

Replace deteriorated concrete by placing new Portland Cement Mortar as specified in this Section and in accordance T401-5.1 Typical Spall Repair: with the manufacturer's recommendations. Perform surface preparation and application to all areas as shown on the plans or as directed by the Engineer. No concrete removal will be performed without the Engineer's approval.

T401-2 MATERIALS

Mortar/concrete will be a mortar/concrete suitable for pumping, unless otherwise required in the Contract Documents. The selected material will achieve a minimum compressive strength of 2,000 psi at 24 hours and 5,000 psi at 28 days.

For horizontal or vertical spalls with a minimum depth of 1 inch, use repair mortar that includes an aggregate in accordance with the manufacturer's recommendations. For horizontal or vertical spalls less than 1 inch deep, hand-apply repair mortar in accordance with manufacturer's recommendations.

Provide proposed repair material and method of application, including manufacturer's technical specifications and formulation. Do not place patch materials in lifts. For vertical and overhead applications, place the material using form and pump methods unless otherwise approved based on specific condition of deficiencies. For horizontal applications, place the material using form and pour methods unless otherwise approved based on specific condition of deficiencies.

Materials will be applied in accordance with this Technical Special Provision and manufacturer's recommendations.

T401-3 SURFACE PREPARATION

Remove deteriorated concrete to sound material (or limits described on the plans) by scarification or by chipping with light duty pneumatic or electric concrete chippers (15 lbs or less in general and adjacent to structural limits of construction) and hand tools adjacent to prestressing strands and reinforcing steel. Remove concrete that is contaminated with grease or oil.

Provide an aggregate-fractured surface with a minimum surface profile amplitude of 1/4 inch by use of a scabbler or other appropriate means. Blast clean all reinforcing bars exposed after concrete removal in accordance with SSPC SP-10 "Near-White Blast Cleaning." Replace rebars that have lost 25% or more of their original diameter with new bars spliced in place within the original cover, lapping rebar to develop the full strength of the bar as detailed on the plans and, if necessary, providing additional chipping. Dual bars of equivalent or greater section may be used.

Exercise special care when removing unsound concrete to not damage the bond between the prestressing strand and any sound concrete.

Blast clean existing concrete surfaces that will be in contact with freshly placed repair material and clean to remove loose material and dust immediately before application of repair material.

T401-4 MIXING

Provide a Mix Plan for quantities of bag mix in excess of 1 cubic yard at a single location for the Engineer's approval including: manufacturer's specifications, method of mixing, means of application, and placement procedure to The quantity to be paid for will be the volume of Portland Cement Grout in cubic feet authorized, furnished, installed, and accepted provide a homogenous pour free of cold joints. Use clean mixers and accurately proportioned ingredients. Mix the materials at the site. Ensure that the material, as discharged from the mixer, is uniform in composition and consistency

T401-5 PLACING AND FINISHING

Repair areas of unsound concrete with the following modifications for spalls greater than 1 inch deep. Cut the upper perimeter of sound concrete to an angle sloping slightly upward to avoid entrapping air and water. Form area to be repaired to original neat lines. Forms will withstand the anticipated head pressure of the repair material and a minimum pressure of 10 psi. Place formwork and formwork supports by stainless steel inserts where required. Stainless steel inserts shall be located in sound concrete and may remain in place. Stainless steel inserts to remain in place will be recessed and patched.

The Contractor will employ a qualified Specialty Engineer to design all forming systems (including method of support and attachment). Prior to placement of formwork, submit detailed plans and design calculations for approval which have been signed and sealed by a qualified Specialty Engineer.

Apply form release agent, compatible to the repair material, to the interior surfaces of form. Pump material into forms with proper venting to ensure complete filling of voids, starting with a port at the bottom of the form. Perform external form vibration as necessary to insure proper consolidation. Cap vents when steady flow of material is ensured then fill until an immediate increase of 3 to 5 psi is detected. See plans for additional details. At the Engineer's discretion, gravity fed pours may be allowed in some cases for uniform deficiency shapes where quality control can be assured after trial installations.

When the depth of concrete removal exceeds 2", install welded wire fabric and adhesive hooks, as detailed on the plans.

Match repair surface to surrounding concrete surfaces. All exposed edges will be chamfered 3/4 inches unless otherwise noted or directed by the Engineer. Provide V-grooves, construction joints, and drip notches to match any existing. Open construction joints are not permitted. Cure as required to prevent shrinkage cracking.

T401-6 QUALITY CONTROL

Include the work under this Technical Special Provision in the Contractor Quality Control General Requirements set forth in Section 105.

The Contractor will secure the services of a manufacturer representative to visit the construction site to train inspection and contractor personnel in the application of the mortar/concrete repair system prior to application. The representative will also observe initial application and testing to confirm that application is performed in accordance with the manufacturer instructions. At a minimum, manufacturer representative will be available to the Contractor and the Engineer for technical advice and inspection of the application during the duration of mortar/concrete repairs. Upon completion of the project, the manufacturer will provide a notarized statement indicating that the material has been applied as per manufacturer requirements.

T401-7 LIMITATIONS

Make 4 to 6 extra test cylinders (as requested by the Engineer) and test for compressive strength gain determinations. The Engineer will determine the time of testing. Cure test cylinders in air for the full curing period required before testing. Do not place repair material at ambient temperatures below 45°F, or above 85°F, or more stringent temperature ranges provided by the manufacturer unless adequate protection is provided against adverse effects of extreme temperature conditions.

T401-8 METHOD OF MEASUREMENT

to restore spalled areas. The method used in determining the volume will be the surface area in square feet multiplied by the average depth of such areas.

T401-9 BASIS OF PAYMENT

Price and payment will be full compensation for all work specified in this Technical Special Provision.

Pay Item No. 401 70 4 Restore Spalled Areas, Portland Cement Grout per cubic foot.

		REVISI	0 N S			Kimlow Horn	CHARLOTTE COUNTY
DATE	BY	DESCRIPTION	DATE B	/	DESCRIPTION		
							PUBLIC WORKS
						JERRY MARCUS PICCOLO, P.E. P.E. LICENSE NUMBER 80484	
						1920 WEKIVA WAY, SUITE 200	REHABILITATION & REPAIR CR 775
						WEST PALM BEACH, FL 33411	OVED DUCK CDEEK & OVETED CDEEK
						(561) 845-0665 REGISTRY NO. 35106	OVER BUCK CREEK & OYSTER CREEK
						REGISTRE NU. 35100	

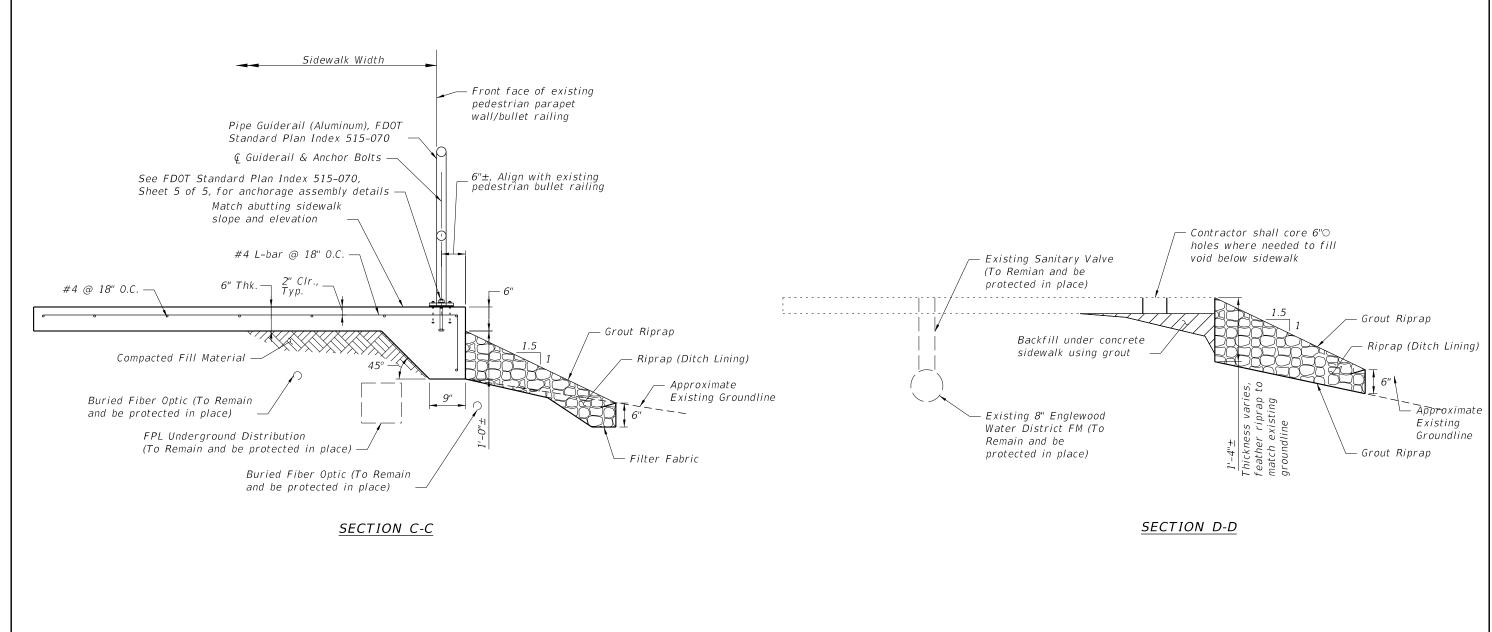
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PROVISIONS	(TSP) -	T401

SHEET NO.

CR 775 OVER BUCK CREEK

B1-12



Sidewalk Replacement Notes:

- 1. Contractor shall remove and replace sidewalk panel areas as shown on "Plan with Work Identification" sheets.
- 2. Contractor shall coordinate with existing utility owners within the sidewalk/riprap limits prior to the sidewalk removal and excavation activities.
- 3. After the existing sidewalk panels are removed, contractor shall re-grade and compact fill material to ensure new sidewalk is flush with existing abutting sidewalks to remain.
- 4. Align front face of guiderail with existing pedestrian parapet wall/bullet railing. Where a curb is present, align guiderail with existing curb.
- 5. Place riprap sloping away from back of sidewalk. Embed toe of slope 6" into existing ground. Once placed, grout top surface of riprap.
- 6. See FDOT Standard Plan Index 522-001 for additional sidewalk notes.
- 7. Contractor shall exercise caution to avoid impacts existing utilities.

Sidewalk Backfilling Notes:

- sheets.
- 3. Contractor shall core holes in sidewalk where voids are anticipated.
- 4. Prior to backfilling with grout, the riprap and filterfabric shall be installed.
- 6. Grout shall be mixed to a flowing consistency in accordance with manufacturer's recommendations.
- 8. See FDOT Standard Plan Index 522-001 for additional sidewalk notes.

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		REVIS				Kimlow Horn	CHARLOTTE COUNTY	
DATE	ΒY	DESCRIPTION	DATE	BY	DESCRIPTION			
						JERRY MARCUS PICCOLO, P.E.	PUBLIC WORKS	
						P.E. LICENSE NUMBER 80484		-
						1920 WEKIVA WAY, SUITE 200	REHABILITATION & REPAIR CR 775	
						WEST PALM BEACH, FL 33411 (561) 845-0665	OVER BUCK CREEK & OYSTER CREEK	
						REGISTRY NO. 35106		
							Jorry Biccolo 11/12/2024 2:25:24 DM KAWDB Ctru	

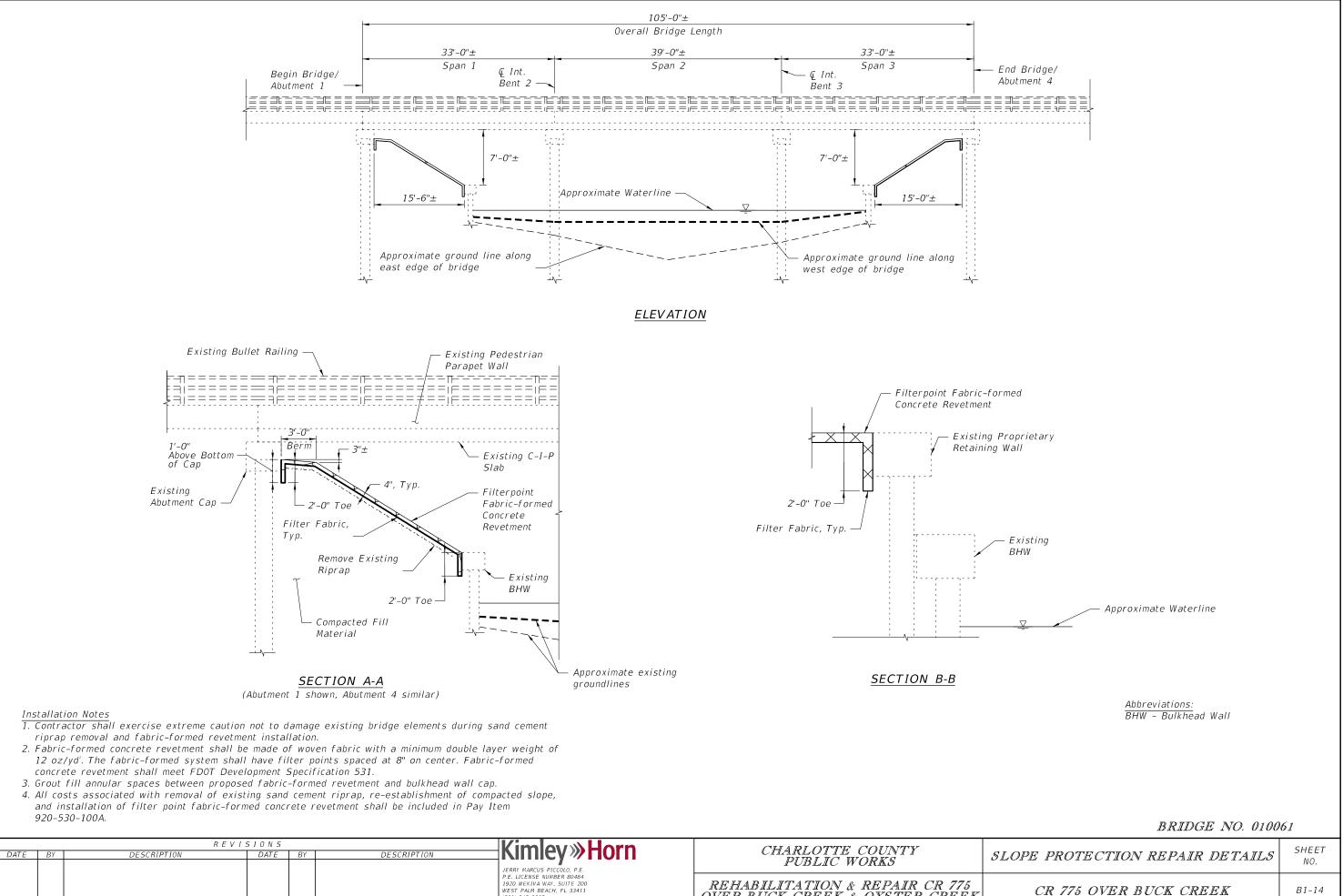
1. Contractor shall backfill under sidewalk panel areas as shown on "Plan with Work Identification"

2. Contractor shall coordinate with existing utility owners within the sidewalk/riprap limits (If any).

5. Contractor may elect to use flowable fill instead of grout at no additional cost to the County.

7. Place riprap sloping away from back of sidewalk. Once placed, grout top surface of riprap.

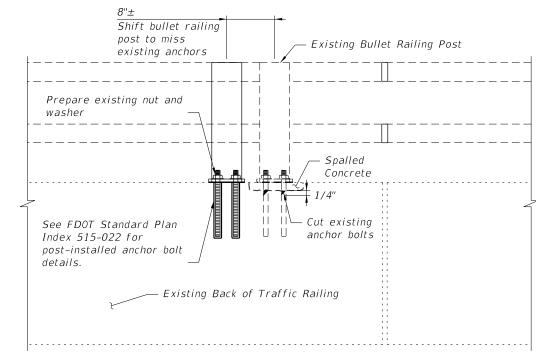
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SIDE WALK REPAIR DETAILS	SHEET NO.
CR 775 OVER BUCK CREEK	B1-13



561) 845-0665 REGISTRY NO. 351

OVER BUCK CREEK & OYSTER CREEK

F.A.C.





TYPICAL BULLET RAILING ANCHOR CLEANING DETAIL

BULLET RAILING POST SHIFT ELEVATION

(Double post shown, triple post similar)

Bullet Railing Post Shift Notes:

- 1. Contractor shall temporarily remove and protect existing bullet railing post to facilitate concrete traffic railing spall repairs. If bullet railing post is damaged by the Contractor, the Contractor shall repair at no cost to the Owner.
- 2. If bullet railing post hardware is damaged, reinstall railing with new hardware matching FDOT Standard Plan Index 515-061.
- 3. Contractor shall cut existing anchor bolts 1" recessed into top of concrete railing at locations where severe section loss of anchors has occurred. Existing anchor bolts shall be encapsulated within Type F Epoxy. See anchor bolt end treatment above.
- 4. A total of 10 locations of severe anchor bolt section loss were observed, 5 along west bullet railings and 5 along east bullet railings. Two barrier wall spall repairs occur at bullet railings post locations for a total of 12 anticipated post shift locations.

General Bullet Railing Repair Notes:

- 1. Contractor to provide new nuts and washers at bullet railing anchorage locations where hardware is missing.
- 2. Contractor shall not damage existing anchor bolts to remain. Any existing anchor bolts damaged by the Contractor will be replaced at the Contractor's expense.
- 3. All work associated with bullet railing cleaning and coating including that but not limited to, surface preparation and repairing galvanized finish on exposed anchor bolts, nuts, and washers shall be included in Pay Item 562-A.
- 4. All work associated with replacing bullet railing end caps shall be included in Pay Item 515-4-42A.



BULLET RAILING END CAP DETAIL

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		PUBLIC WORKS
					P.E 19. WE (56	RRY MARCUS PICCOLO, P.E. . LICENSE NUMBER 80484 20 WEKIVA WAY, SUITE 200 ST PALM BEACH, FL 33411 1) 845-0665 .SISTRY NO. 35106	REHABILITATION & REPAIR CR 775 OVER BUCK CREEK & OYSTER CREEK

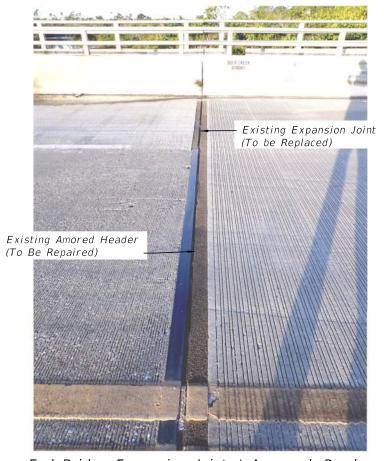
Clean exposed anchors, nuts, and washers free of corrosion and treat with zinc rich paint, follow Specifcation Section 562.

> Contractor to remove rust stains on anchor plates

Replace missing railing end cap. See FD0T Standard Plan Index 515-022.

BRIDGE NO. 0100	061
BULLET RAILING REPAIR DETAILS	SHEET NO.
CR 775 OVER BUCK CREEK	B1-15

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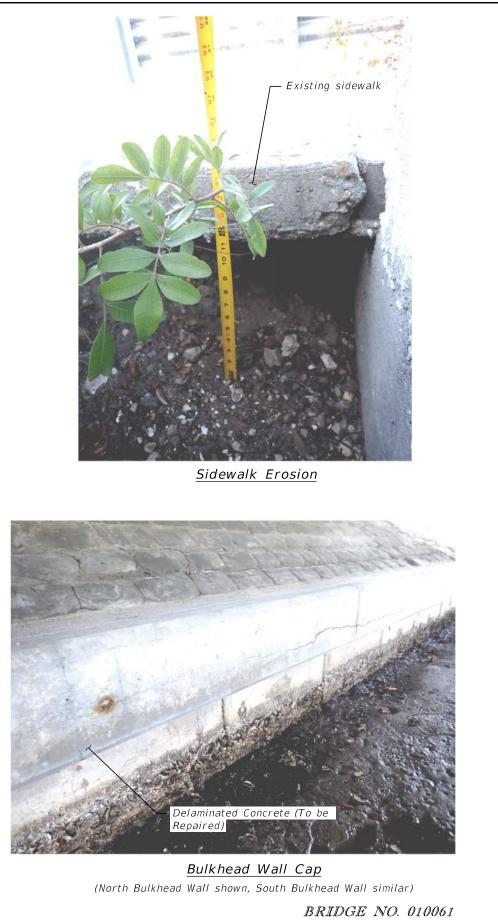


End Bridge Expansion Joint / Approach Roadway (End Bridge shown, Begin Bridge similar)



Spall at Bullet Railing Anchorage (Approach Slab Traffic Railing spall shown, Bridge Traffic Railing spall similar)





Sidewalk Ponding (East sidewalk shown, west sidewalk similar)

(561) 845-0665 OVER BUCK CREEK & OYSTER CREEK	DATE BY	R E V I DESCRIPTION	SIONS DATE BY	DESCRIPTION	JERRY MARCUS PICCOLO, P.E.	CHARLOTTE COUNTY PUBLIC WORKS	REPRESENTATIVE REPAIR FIELD PICTURES	SHEET NO.
NE O STATI NO. SOTO					1920 WEKIVA WAY, SUITE 200 WEST PALM BEACH, FL 33411	REHABILITATION & REPAIR CR 775 OVER BUCK CREEK & OYSTER CREEK	- CR 775 OVER BUCK CREEK	B1-16